

FEB 27 2007

BEST AVAILABLE COPY

DOCKET NO. 2003.08.007.WS0
U.S. SERIAL NO. 10/672,607
PATENTIN THE CLAIMS

The current claims follow. For claims not marked as amended in this response, any difference in the claims below and the previous state of the claims is unintentional and in the nature of a typographical error.

1-20. (Cancelled)

21. (Currently Amended) An apparatus for providing mobile station registration, wherein the apparatus comprises:

a base station capable of:

receiving a registration message in a reverse traffic channel from a mobile station, wherein the registration message is initiated from the mobile station before the mobile station registration is complete in a wireless communication system; and

sending a registration accepted order in a forward traffic channel to the mobile station.

22. (Cancelled).

23. (Previously Presented) The apparatus as set forth in Claim 21, wherein the base station is capable of receiving a registration request message in a reverse traffic channel from the

DOCKET NO. 2003.08.007.WS0
U.S. SERIAL NO. 10/672,607
PATENT

mobile station.

24. (Previously Presented) The apparatus as set forth in Claim 21, wherein the base station comprises a traffic channel registration controller capable of:

sending the registration message in a forward traffic channel to the mobile station; and
receiving the registration message in a reverse traffic channel from the mobile station.

25. (Previously Presented) The apparatus as set forth in Claim 24, wherein the traffic channel registration controller is capable of:

causing a mobile switching center to register the mobile station; and
sending a registration acceptance order in the forward traffic channel to the mobile station.

26. (Previously Presented) The apparatus as set forth in Claim 25, wherein the mobile switching center is capable of sending the registration message in the forward traffic channel to the traffic channel registration controller for forwarding to the mobile station.

27. (Previously Presented) The apparatus as set forth in Claim 21, wherein the base station is capable of:

sending a location update request message to the mobile station; and
receiving a location update acceptance message from the mobile station.

DOCKET NO. 2003.08.007.WS0
U.S. SERIAL NO. 10/672,607
PATENT

28. (Currently Amended) A wireless communication system comprising:
a mobile switching center capable of providing mobile station registration in a traffic channel; and
a mobile station capable of:
sending in the a reverse traffic channel a registration message to the base station before the mobile station registration is complete in the wireless communication system; and
receiving a registration accepted order in a forward traffic channel from the base station.

29. (Cancelled).

30. (Previously Presented) The wireless communication system as set forth in Claim 29, wherein the mobile switching center is capable of causing a registration request message to be sent to the mobile station in the forward traffic channel.

31. (Previously Presented) The wireless communication system as set forth in Claim 28, wherein the mobile switching center is capable of communicating with a traffic channel registration controller in the base station; and

wherein the mobile station is capable of receiving registration messages in a forward traffic channel from the traffic channel registration controller.

DOCKET No. 2003.08.007.WS0
U.S. SERIAL No. 10/672,607
PATENT

32. (Previously Presented) The wireless communication system as set forth in Claim 31, wherein the mobile station is capable of:

sending the registration message in a reverse traffic channel to the traffic channel registration controller; and

receiving a registration accepted order in the forward traffic channel from the traffic channel registration controller.

33. (Previously Presented) The wireless communication system as set forth in Claim 32, wherein the traffic channel registration controller is capable of forwarding the registration message in the forward traffic channel to the mobile station.

34. (Previously Presented) The wireless communication system as set forth in Claim 33, wherein the mobile switching center is capable of:

receiving a location update request message in the reverse traffic channel from the base station; and

sending a location update acceptance message in the forward traffic channel to the base station.

35. (Currently Amended) For use in a wireless communication system, a method for

DOCKET NO. 2003.08.007.WS0
U.S. SERIAL NO. 10/672,607
PATENT

registering a mobile station, wherein the method comprises the steps of:

initiating and sending from the mobile station a registration message in a reverse traffic channel to a base station before registering the mobile station in a mobile switching center; and
receiving a registration accepted order message in a forward traffic channel from the base station.

36. (Cancelled)

37. (Previously Presented) The method as set forth in Claim 36 further comprising the steps of:

receiving a location update request message from the base station after said sending the registration request message to the base station; and

sending a location update acceptance message to the base station before the base station sends the registration accepted order message to the mobile station.

38. (Previously Presented) The method as set forth in Claim 35 further comprising the steps of:

sending a registration request message in a forward traffic channel from the mobile switching center to the base station; and

DOCKET NO. 2003.08.007.WS0
U.S. SERIAL NO. 10/672,607
PATENT

receiving the registration request message in a reverse traffic channel from the base station to the mobile station.

39. (Previously Presented) The method as set forth in Claim 38 further comprising the steps of:

in response to receiving the registration request message in the forward traffic channel from the base station, sending the registration message in the reverse traffic channel from the mobile station to the base station;

receiving a location update request message in the mobile switching center from the base station;

sending a location update acceptance message from the mobile switching center to the base station; and

receiving a registration accepted order message from the base station in the forward traffic channel to the mobile station.

40. (Previously Presented) The method as set forth in Claim 35 further comprising the steps of:

sending from the mobile station the registration message in a traffic channel to a traffic channel registration controller in the base station; and

02/27/07

14:32

DAVIS MUNCK → 915712738300

NO. 360

010

DOCKET No. 2003.08.007.WS0

U.S. SERIAL NO. 10/672,607

PATENT

registering the mobile station by the mobile switching center.

L:\SAMS01\00268

-8-

**This Page is Inserted by IFW Indexing and Scanning
Operations and is not part of the Official Record**

BEST AVAILABLE IMAGES

Defective images within this document are accurate representations of the original documents submitted by the applicant.

Defects in the images include but are not limited to the items checked:

- ☐ **BLACK BORDERS**
- ☐ **IMAGE CUT OFF AT TOP, BOTTOM OR SIDES**
- ☐ **FADED TEXT OR DRAWING**
- ☐ **BLURRED OR ILLEGIBLE TEXT OR DRAWING**
- ☐ **SKewed/SLANTED IMAGES**
- ☐ **COLOR OR BLACK AND WHITE PHOTOGRAPHS**
- ☐ **GRAY SCALE DOCUMENTS**
- ☐ **LINES OR MARKS ON ORIGINAL DOCUMENT**
- ☐ **REFERENCE(S) OR EXHIBIT(S) SUBMITTED ARE POOR QUALITY**
- ☐ **OTHER:** _____

IMAGES ARE BEST AVAILABLE COPY.

As rescanning these documents will not correct the image problems checked, please do not report these problems to the IFW Image Problem Mailbox.